

Rotary Bottle Washing Machines



(Photograph is for the reference purpose only. Machine Construction & Specification are subject to change without prior Notice due to Continues up-gradation Process)

Overview of the Equipments

The Rotary Washing Machine operates on the rotary “GENEVA” mechanism and requires manual loading & unloading of Containers / Bottles / Vials, with using of different washing media or sequence machine is able to clean bottle properly as per GMP requirements, This rigid machine having many key feature with elegant look.

Operation of the Equipments

The bottles are loaded on the subsequent indexing part of rotating platform and are cleaned in series of operations. Specially designed bottle holders provided to hold bottles with neck diameter. The bottles are placed in an inverted position in these cup shaped holders. Spraying showers does the external cleaning of the bottles. Solenoid valves are provided to enable the regulation of wash timings, it also spraying water when bottle are stopped means insure saving of water, and sequence of various washing media to suit specific requirement.

Salient Features of the Equipments

- Geneva Mechanism.
- Four inner (Included one air wash) & one outer.
- Sequence of washes to customer's choice.
- Stationary nozzles eliminate contamination of water cycles.
- Easy loading and unloading.
- Individual solenoid valve for each washing sequence, that eliminates carbon plate and other accessories reduce leakage and maintenance to minimum.
- Higher capacity centrifugal pumps to wash bigger bottles (500ml & 1000ml).
- The stationary nozzles avoid chipping of bottle necks.
- Bottle guide system especially for lightweight bottle.
- Pumps and Tanks are mounted on Portable stand for Easy Maintenance.
- Separate panel control to avoid any short circuit due to spraying of water.
- SS glycerin fill pressure meter.

Technical Specification of the Equipments

Output / Hour*		2800 to 6000
No. of Bottle Holder		64 / 96
Direction of Machine**		Clock wise - Left to Right
Electrical Specifications**	Main Motor	0.5 HP / 415 Volts / 50 Hz
	Pump Two Nos.	1 HP x 2 = 2 HP / 415 Volts / 50 Hz
	Electrical Heater	3 KW
Tank Capacity		75 Liters SS 304 (2 Nos.)
Wash Cycle		4 Inner+1 Outer (Inner wash sequence are inter changeable)
Working Height		860mm to 910mm
Machine Dimensions (In mm)		1500mm (L) x 1750mm (W) x 1300mm (H)
Case Dimension (In mm) Two Case	Machine	1600mm (L) x 1600mm (W) x 1550mm (H)
	Tanks	1550mm (L) x 1000mm (W) x 1550mm (H)
Net Weight		450 Kgs.
Gross Weight		750 Kgs.
Change parts required		(A) Neck Diameter: Bottle holding pocket. (B) Flat/ Bruit shape bottle: Special type of cup.
Bottle Size**	Round Shape	Ø30mm to Ø100mm Respectively height, 50mm to 270mm, Ø 22mm to Ø 28mm Neck ***
	Flat / Square***	30mm to 100mm (Length) Respectively 10mm to 50mm (Width) Respectively height 58mm X 190mm

* Depends on bottle size & operator speed.

** We can supply as per customer requirements at additional cost.

*** With help of change parts (Additional Cost).

Consumption of Water:

First Wash	300 Liters /Hour
Second Wash	No consumption as such, water loss during re-circulation shall be compensated
Third Wash	300 Liters / Hour
Fourth Wash	No consumption as such, water loss during re-circulation shall be compensated OR Air Wash
Outside Wash	300 Liters / Hour

Utility Requirement: (To be provided by customer)

- Electric Supply : 3 Phase + Neutral + Earthing (Four core wire up to Machine Panel)
- Electrical Load : 2KW + 3KW for heater
- Air Pressure Minimum : 6 bar pressure at 5 CFM (Ø5mm PU pipe from control valve up to Machine)